

Motion of Three Bodies in Space

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October 31, 2019

Abstract

This Halloween, come witness the mysterious motion of Newtonian Gravitation describing the dynamics of ternary star systems in our universe! Numerical methods were used to solve the governing differential equations, specifically a Forward Euler Difference Scheme for ternary star systems. With the exception of a few very specific systems, it was determined that these star systems are chaotic and unpredictable in their nature.

